

What is claimed is:

1 1. An exercise device providing treadmill and
2 stationary bicycle configurations, comprising:
3 a running device with a tread belt;
4 a bicycle device with a pair of pedals; and
5 a transmission device detachably connecting the
6 running device and the bicycle device.

1 2. The exercise device as claimed in claim 1,
2 wherein:
3 the bicycle device comprises a wheel connected to
4 the pedals;
5 the transmission device comprises a supporting
6 device supporting the bicycle device, the
7 supporting device alternatively clutched in a
8 first state and a second state;
9 the wheel detached from the tread belt when the
10 supporting device is in the first state; and
11 the wheel connected to the tread belt when the
12 supporting device is in the second state.

1 3. The exercise device as claimed in claim 2,
2 wherein the supporting device comprises a hydraulic
3 device.

1 4. The exercise device as claimed in claim 1,
2 wherein the transmission device comprises a clutch and at
3 least one of a belt pulley module and a gear drive
4 module.

1 5. The exercise device as claimed in claim 1,
2 further comprising a controlling device connected to the
3 running device and the bicycle device for controlling the
4 running device and the bicycle device.

1 6. The exercise device as claimed in claim 5,
2 wherein the controlling device is further connected to
3 the transmission device for controlling connection of the
4 tread belt and the wheel.

1 7. The exercise device as claimed in claim 5,
2 wherein the controlling device comprises a control panel
3 for enabling input of operational settings of the
4 exercise device.

1 8. The exercise device as claimed in claim 5,
2 wherein the running device comprises a motor controlled
3 by the controlling device.

1 9. The exercise device as claimed in claim 1,
2 further comprising a processor performing a program of an
3 interactive game for the running device and the bicycle
4 device.

1 10. The exercise device as claimed in claim 9,
2 further comprising a controlling device connected to the
3 processor, the running device and the bicycle device for
4 controlling the running device and the bicycle device.

1 11. The exercise device as claimed in claim 10,
2 wherein the controlling device further connected to the

3 transmission device for controlling connection of the
4 tread belt and the wheel.

1 12. The exercise device as claimed in claim 10,
2 wherein the controlling device comprises a control panel
3 for enabling input of operational settings of the
4 exercise device.

1 13. The exercise device as claimed in claim 9,
2 wherein the running device comprises a motor controlled
3 by the controlling device.

1 14. The exercise device as claimed in claim 9,
2 wherein the processor further connected to the
3 transmission device for controlling connection of the
4 tread belt and the wheel.

1 15. The exercise device as claimed in claim 9,
2 further comprising a displaying device connected to the
3 processor for showing the interactive game thereon
4 according to a plurality of parameters of the program.

1 16. The exercise device as claimed in claim 15,
2 wherein the displaying device is a two-dimensional
3 display.

1 17. The exercise device as claimed in claim 16,
2 wherein the two-dimensional display comprises a
3 projector, a plasma display, an LCD, a large electronic
4 display (LED), a computer display, a television display,
5 or a television wall.

1 18. The exercise device as claimed in claim 15,
2 wherein the displaying device is a three-dimensional
3 display.

1 19. The exercise device as claimed in claim 18,
2 wherein the three-dimensional display comprises a
3 virtual-reality (VR) displaying system.

1 20. The exercise device as claimed in claim 19,
2 wherein the VR displaying system comprises a VR helmet, a
3 VR goggles, a VR projector or a three-dimensional
4 projector.

1 21. An exercise device providing treadmill and
2 stationary bicycle configurations, comprising:
3 a running device with a tread belt;
4 a bicycle device with a pair of pedals;
5 a transmission device detachably connecting the
6 running device and the bicycle device;
7 a sensing device for detecting exercise information
8 of the running device and the bicycle device,
9 and sending a signal related to the exercise
10 information;
11 a computer module comprising a program of an
12 interactive game for the running device and the
13 bicycle device and a processor performing the
14 program; and
15 a displaying device connected to the computer module
16 for showing the interactive game thereon
17 according to a plurality of parameters of the
18 program;

19 wherein the computer module receives the signal
20 related to the exercise information from the
21 sensing device to modify the parameters of the
22 program in response to the exercise
23 information.

1 22. The exercise device as claimed in claim 21,
2 further comprising a controlling device connected to the
3 running device and the bicycle device for controlling the
4 running device and the bicycle device.

1 23. The exercise device as claimed in claim 22,
2 wherein the controlling device is further connected to
3 the transmission device for controlling connection of the
4 tread belt and the wheel.

1 24. The exercise device as claimed in claim 22,
2 wherein controlling device comprises a control panel for
3 enabling input of operational settings of the exercise
4 device.

1 25. The exercise device as claimed in claim 21,
2 wherein:
3 the bicycle device comprises a wheel connected to
4 the pedals;
5 the transmission device comprises a supporting
6 device supporting the bicycle device, the
7 supporting device alternatively clutched in a
8 first state and a second state;
9 the wheel detached from the tread belt when the
10 supporting device is in the first state; and

11 the wheel connected to the tread belt when the
12 supporting device is in the second state.

1 26. The exercise device as claimed in claim 25,
2 wherein the supporting device comprises a spring device
3 and a hydraulic device.

1 27. The exercise device as claimed in claim 21,
2 wherein the transmission device comprises a clutch and at
3 least one of a belt pulley module and a gear drive
4 module.

1 28. The exercise device as claimed in claim 21,
2 wherein the running device comprises a motor controlled
3 by the controlling device.

1 29. The exercise device as claimed in claim 21,
2 wherein the displaying device is a two-dimensional
3 display.

1 30. The exercise device as claimed in claim 29,
2 wherein the two-dimensional display comprises a
3 projector, a plasma display, an LCD, a large electronic
4 display (LED), a computer display, a television display,
5 or a television wall.

1 31. The exercise device as claimed in claim 21,
2 wherein the displaying device is a three-dimensional
3 display.

1 32. The exercise device as claimed in claim 31,
2 wherein the three-dimensional display comprises a
3 virtual-reality (VR) displaying system.

1 33. The exercise device as claimed in claim 32,
2 wherein the VR displaying system comprises a VR helmet, a
3 VR goggles, a VR projector or a three-dimensional
4 projector.

1 34. An exercise device providing treadmill and
2 stationary bicycle configurations, comprising:

- 3 a running device with a tread belt;
- 4 a bicycle device with a pair of pedals;
- 5 a transmission device detachably connecting the
6 running device and the bicycle device;
- 7 a controlling device comprising a controller
8 connected to the running device and the bicycle
9 device for controlling the running device and
10 the bicycle device, and a control panel for
11 enabling input of operational settings of the
12 exercise device to the controller;
- 13 a sensing device for detecting exercise information
14 of the running device and the bicycle device,
15 and sending a signal related to the exercise
16 information;
- 17 a computer module comprising a program of an
18 interactive game for the running device and the
19 bicycle device, and a processor performing the
20 program; and
- 21 a displaying device connected to the computer module
22 for showing the interactive game thereon
23 according to a plurality of parameters of the
24 program;

25 wherein the computer module receives the signal
26 related to the exercise information from the
27 sensing device to modify the parameters of the
28 program in response to the exercise
29 information.

1 35. The exercise device as claimed in claim 34,
2 wherein the running device comprises a plurality of
3 roller shafts for rotatably supporting the tread belt.

1 36. The exercise device as claimed in claim 35,
2 wherein the running device comprises a motor for driving
3 the tread belt.

1 37. The exercise device as claimed in claim 34,
2 wherein:
3 the bicycle device comprises a wheel connected to
4 the pedals;
5 the transmission device comprises a supporting
6 device supporting the bicycle device, the
7 supporting device alternatively clutched in a
8 first state and a second state;
9 the wheel detached from the tread belt when the
10 supporting device is in the first state; and
11 the wheel connected to the tread belt when the
12 supporting device is in the second state.

1 38. The exercise device as claimed in claim 37,
2 wherein the supporting device comprises a hydraulic
3 device.

1 39. The exercise device as claimed in claim 34,
2 wherein the displaying device is a two-dimensional
3 display.

1 40. The exercise device as claimed in claim 16,
2 wherein the two-dimensional display comprises a
3 projector, a plasma display, an LCD, a large electronic
4 display (LED), a computer display, a television display,
5 or a television wall.

1 41. The exercise device as claimed in claim 34,
2 wherein the displaying device is a three-dimensional
3 display.

1 42. The exercise device as claimed in claim 41,
2 wherein the three-dimensional display comprises a
3 virtual-reality (VR) displaying system.

1 43. The exercise device as claimed in claim 42,
2 wherein the VR displaying system comprises a VR helmet, a
3 VR goggles, a VR projector or a three-dimensional
4 projector.

1